PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:			(11) International Publication Number: WO 99/58660			
C12N 15/00, 15/12, C07K 14/0	JU, 14/435	A1	(4	3) International Publication Date: 18 Nov	ember 1999 (18.11.99)	
(21) International Application Number:	PCT/US	99/098	47	(US). FLORENCE, Kimberly [US/US]; 12805 Atlantic Avenue, Rockville, MD 20851 (US). NI, Jian [CN/US]; 5502		
(22) International Filing Date:	6 May 1999 (06.05.9	9)	Manorfield Road, Rockville, MD (Craig, A. [US/US]; 22400 Rolling H MD 20882 (US). CARTER, Kennet	ill Road, Laytonsville,	
(30) Priority Data:				Brandy Hall Lane, North Potoma	c, MD 20878 (US).	

(3	0) Priority Data:		
	60/085,093	12 May 1998 (12.05.98)	US
	60/085,094	12 May 1998 (12.05.98)	US
	60/085,105	12 May 1998 (12.05.98)	US
	60/085,180	12 May 1998 (12.05.98)	US
	60/085,927	18 May 1998 (18.05.98)	US
	60/085,906	18 May 1998 (18.05.98)	US
	60/085,924	18 May 1998 (18.05.98)	US
	60/085,922	18 May 1998 (18.05.98)	US
	60/085,923	18 May 1998 (18.05.98)	US
	60/085,921	18 May 1998 (18.05.98)	US
	60/085,925	18 May 1998 (18.05.98)	US
	60/085,928	18 May 1998 (18.05.98)	US
	60/085,920	18 May 1998 (18.05.98)	US

- (71) Applicant (for all designated States except US): HUMAN GENOME SCIENCES, INC. [US/US]; 9410 Key West Avenue, Rockville, MD 20850 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): RUBEN, Steven, M. [US/US]; 18528 Heritage Hills Drive, Olney, MD 20832

(US). FLORENCE, Kimberly [US/US]; 12805 Atlantic Avenue, Rockville, MD 20851 (US). NI, Jian [CN/US]; 5502 Manorfield Road, Rockville, MD 20853 (US). ROSEN, Craig, A. [US/US]; 22400 Rolling Hill Road, Laytonsville, MD 20882 (US). CARTER, Kenneth, C. [US/US]; 11601 Brandy Hall Lane, North Potomac, MD 20878 (US). MOORE, Paul, A. [US/US]; 19005 Leatherbark Drive, Germantown, MD 20874 (US). OLSEN, Henrik, S. [DK/US]; 182 Kendrick Place #24, Gaithersburg, MD 20878 (US). SHI, Yang-gu [CN/US]; 437 West Side Drive, Gaithersburg, MD 20878 (US). YOUNG, Paul, E. [US/US]; 122 Beckwith Street, Galthersburg, MD 20878 (US). WEI, Fing-Fei [CN/US]; 242 Gravatt Drive, Berkeley, CA 94705 (US). BREWER, Laurie, A. [US/US]; Apartment 115, 410 Van Dyke Street, St. Paul, MN 55119—4321 (US). SOPPET, Daniel, R. [US/US]; 15050 Stillfield Place, Centreville, VA 22020 (US). LAFLEUR, David, W. [US/US]; 3142 Quesada Street, N.W., Washington, DC 20015 (US). ENDRESS, Gregory, A. [US/US]; 9729 Clagett Farm Drive, Potomac, MD 20854 (US). EBNER, Reinhard [DE/US]; 9906 Shelburne Terrace #316, Gaithersburg, MD 20878 (US).

- (74) Agents: BROOKES, A., Anders et al.; Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, MD 20850 (US).
- (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: 97 HUMAN SECRETED PROTEINS

(57) Abstract

The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.